Exercise 1 *A table of data is given below.*

x	y
0	2
1	5
2	8
5	

(a) *The rate of change from the top row to the second row is:* $\boxed{3}$.

(b) *The rate of change from the top row to the second row is:* $\boxed{3}$.

(c) *If this rate of change is maintained, whenever the x-value of a data point increases by 1, the y-value of the data point must increase by* $\boxed{3}$.

(d) *If this rate of change is maintained, whenever the x-value of a data point increases by 3, the y-value of the data point must increase by* $\boxed{9}$.

(e) *If this rate of change is maintained, the x-value 5 corresponds to the y-value* $\boxed{17}$.

(f) *An equation that describes the pattern in the table is* $y = \boxed{3x + 2}$.